

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

PANEL DP_02		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN Main lugs				
DP_01	20	PHASE 3			WIRE 4			FEEDER 4*350KCMIL		BUS 225A						
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATER HC-01	1	3		20	6000	2000	3000	0	9000	20	3	2	HEATER HC-07	2	
3		3					2000	3000	0				4			
5		5					2000	3000	0				6			
7	HEATER HC-08	7	3		20	9000	3000	2000	0	6000	20	3	8	HEATER HC-05	8	
9		9					3000	2000	0				10			
11		11					3000	2000	0				12			
13	HEATER HC-06	13	3		20	6000	2000	0	0	6000	20	3	14	HEATER HC-02	14	
15		15					0	2000	0				16			
17		17					0	2000	0				18			
19	HEATER HC-04	19	3		20	6000	2000	0	0	6319	20	3	20	SUPPLY CRANE MOTOR	20	
21		21					0	2000	0				22			
23		23					0	2000	0				24			
25	LIGHTS ROOM 202	25	1		20	1800	1800	0	0			1	26	SPARE	26	
27	OUTSIDE LTG.	27	1		20	550	550	0	0	180	20	1	28	EMERG BATT PACKS	28	
29	LIGHTS ROOM 203,209	29	1		20	1540	1540	0	0	4230	20	1	30	LIGHTS ROOM 204,205	30	
31	LIGHTS ROOM 208	31	1		20	188	188	0	0	919	20	1	32	LIGHTS ROOM 206,207,209	32	
33	ROLLUP DOORS	33	3		20	4489	1496	42	0	42	20	1	34	EXIT LIGHTS	34	
35		35					0	1496	0			1	36	SPARE	36	
37		37					0	1496	0			1	38	SPARE	38	
39	SPARE	39	1		20		0	0	0		20	1	40	SPARE	40	
41	SPARE	41	1		20		0	0	0		20	1	42	SPARE	42	
TOTAL							21509	20374	25372							
TOTAL CONNECTED LOAD (VA)							67255									
(AMPS)							80.9									

NOTE 5 ON DWG LA-E-008.

PANEL VEAC_01B		LOCATION ROOM 203										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN 200A				
DP_01	26	PHASE 3			WIRE 4			FEEDER 4*300KCMIL		BUS 225A						
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667	0	20000	30	3	2	CRYOPUMP REGENERATOR	2	
3		3					9000	6667	0				4			
5		5					9000	6667	0				6			
7	MAIN TURBO PUMP	7	1		20	400	400	0	0			3	8	SPARE	8	
9	SPARE	9					0	0	0				10	SPARE	10	
11	SPARE	11					0	0	0				12	SPARE	12	
13	SPARE	13					0	0	0				14	SPARE	14	
15	HU-01 RM 203	15	3		20	14000	4667	4667	0	14000	20	3	16	HU-02 RM 203	16	
17		17					4667	4667	0				18			
19		19					4667	4667	0				20			
21	SPARE	21					0	0	0				22	SPARE	22	
23	SPARE	23					0	0	0				24	SPARE	24	
25	SPARE	25					0	0	0				26	SPARE	26	
27	SPARE	27					0	0	0				28	SPARE	28	
29	SPARE	29					0	0	0				30	SPARE	30	
TOTAL							25401	25001	25001							
TOTAL CONNECTED LOAD (VA)							75403									
(AMPS)							90.7									

NOTE:  
1. PANELS DP\_01, DP\_02, VEAC\_01B AND VEAC\_02B ARE TYPICAL FOR END STATIONS A AND B.


PANEL RP_01		LOCATION ROOM 203										VOLTS 208Y/120V				
FED FROM	CKT #	MOUNTING Surface Mount										MAIN 100A				
DP_01	19	PHASE 3			WIRE 4			FEEDER 4*2/0 & 1*4		BUS 100A						
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	RCPT ROOM 202	1	1		20	1080	1080	0	0	900	20	1	2	RCPT ROOM 202	2	
3	SPARE	3	2		30	0	0	0	0	900	20	1	4	RCPT ROOM 203,204,205	4	
5		5					0	0	1080	1080	20	1	6	RCPT ROOM 206,207,208	6	
7	RCPT ROOM 206,207,208	7	1		20	900	900	0	0	240	20	1	8	EXHAUST FAN	8	
9	RCPT ROOM 203,204,205	9	1		20	720	0	720	0		20	1	10	SPARE	10	
11	RCPT ROOM 203	11	1		20	720	0	0	720	540	20	1	12	RCPT ROOM 203	12	
13	INCANDESCENT LTS	13	1		20	300	300	0	0		20	1	14	SPARE	14	
15	INCANDESCENT LTS	15	1		20	400	0	400	0		20	1	16	SPARE	16	
17	PROPANE W.C. IGNITOR	17	1		20	180	0	0	180		20	1	18	SPARE	18	
19	SPARE	19	1		20		0	0	0		20	1	20	SPARE	20	
21	SPARE	21	1		20		0	0	0		20	1	22	SPARE	22	
23	SPARE	23	1		20		0	0	0		20	1	24	SPARE	24	
TOTAL							3420	2020	2520							
TOTAL CONNECTED LOAD (VA)							7960									
(AMPS)							22.1									

PANEL VEAC_02B		LOCATION ROOM 202										VOLTS 480Y/277V				
FED FROM	CKT #	MOUNTING Recessed										MAIN 100A				
DP_01	31	PHASE 3			WIRE 4			FEEDER 4*1 & 1*6		BUS 125A						
CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA)			VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
							A	B	C							
1	HEATING BLANKET CART	1	3		40	27000	9000	6667	0	20000	30	3	2	CRYOPUMP REGENERATOR	2	
3		3					9000	6667	0				4			
5		5					9000	6667	0				6			
7	MAIN TURBO PUMP 1	7	1		20	400	400	0	0		30	3	8	SPARE	8	
9	SPARE	9	1		20		0	0	0				10			
11	SPARE	11	1		20		0	0	0				12			
TOTAL							16067	15667	15667							
TOTAL CONNECTED LOAD (VA)							47401									
(AMPS)							57									


LIGO-D961029-01-0

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	2-28-97	J.G. Doc	W.P. [Signature]			GENERAL REVISIONS

ISSUED FOR CONSTRUCTION
DRAWN M. M. 11-15-96
CHECKED J. C. L. 7-24-96
ENGINEER K. C. R. 10-25-96
PROJ T. D. M. 11-15-96



100 WEST WALNUT STREET  
PASADENA, CALIFORNIA



CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO.2 - LIVINGSTON, LOUISIANA

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
ELECTRICAL END A AND B STATIONS PANEL SCHEDULES	NONE	PP150969	8094
SHEET NUMBER			REVISIONS
LA-E-205			[Symbol]